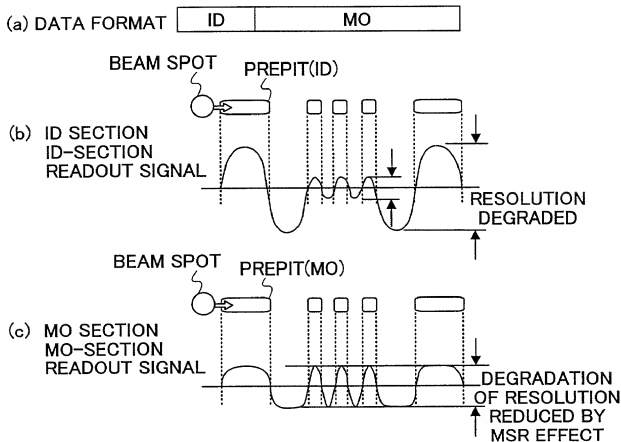


FIG.1



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FIG.2

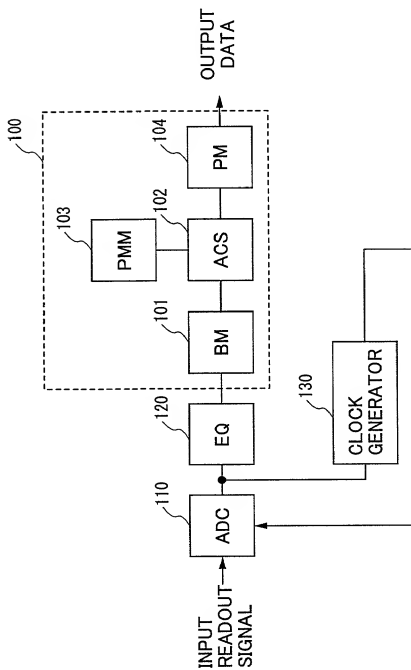
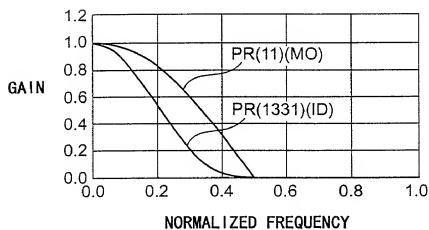
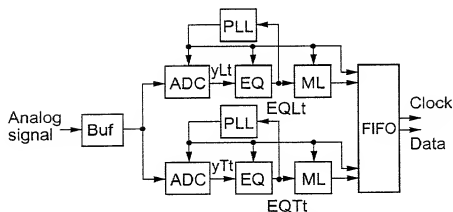


FIG. 3



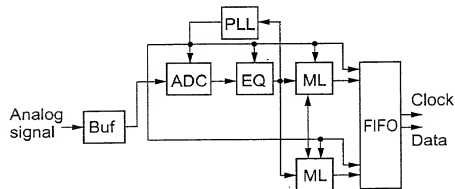
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FIG. 4A



DUAL-MODE CONFIGURATION

FIG. 4B



SINGLE-MODE CONFIGURATION

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FIG.5

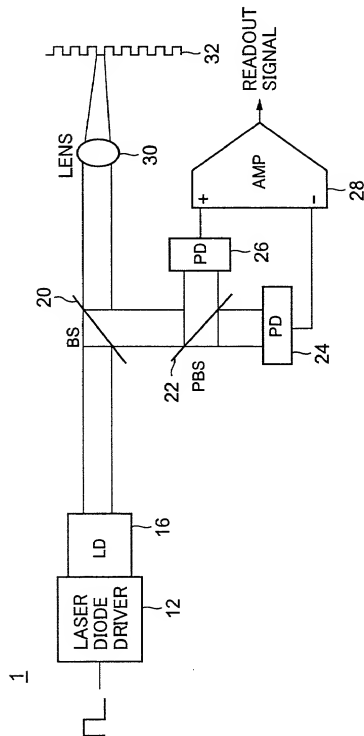


FIG.6

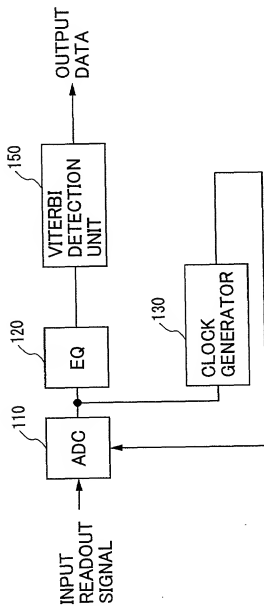


FIG. 7A

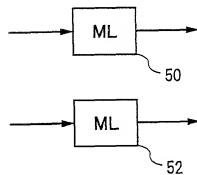
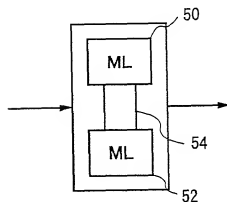


FIG. 7B



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FIG.8

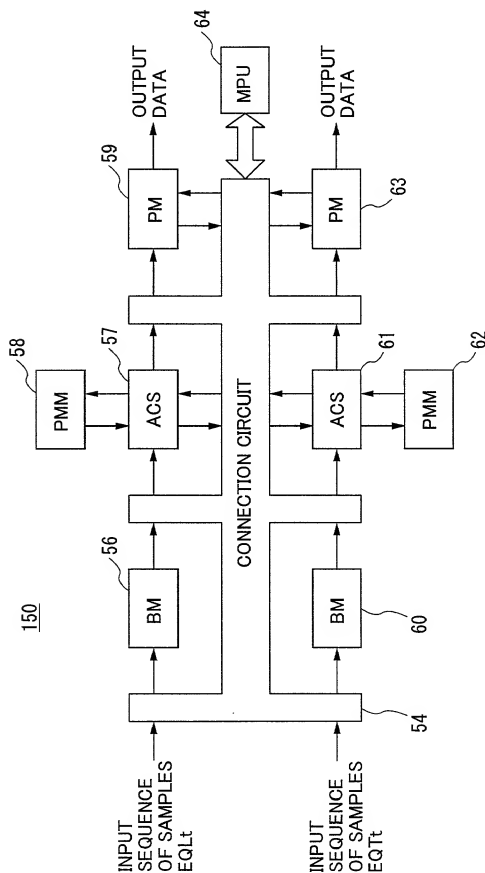




FIG. 9A

IN CASE OF  
 PR(1, 1, 0, X)

TIME	t-3	t-2	t-1	t	Ph
STATE SLO X	0	0	0		SLO PLO=0
SL1 X	1	0	0		SLO PL1=0
<del>SL2 X</del>	<del>0</del>	<del>1</del>	<del>0</del>		<del>SL2</del>
SL3 X	1	1	0		SL1 PL3=1
SLO X	0	0	1		SL2 PL4=1
<del>SL1 X</del>	<del>1</del>	<del>0</del>	<del>1</del>		<del>SL2</del>
SL2 X	0	1	1		SL3 PL6=2
SL3 X	1	1	1		SL3 PL7=2

STO X	0	0	0		STO PTO=0
ST1 X	1	0	0		STO PT1=0
<del>ST2 X</del>	<del>0</del>	<del>1</del>	<del>0</del>		<del>ST1</del>
ST3 X	1	1	0		ST1 PT3=1
STO X	0	0	1		ST2 PT4=1
<del>ST1 X</del>	<del>1</del>	<del>0</del>	<del>1</del>		<del>ST2</del>
ST2 X	0	1	1		ST3 PT6=2
ST3 X	1	1	1		ST3 PT7=2

DUAL MODE

FIG. 9B

IN CASE OF  
 PR(1, 3, 3, 1)

TIME	t-3	t-2	t-1	t	Ph
STATE SLO	0	0	0	0	SLO PLO=0
<del>ST1</del>	<del>0</del>	<del>1</del>	<del>0</del>	<del>0</del>	<del>STO PL1=0</del>
<del>SL2</del>	<del>0</del>	<del>0</del>	<del>1</del>	<del>0</del>	<del>SL1</del>
SL3	0	1	1	0	ST1 PL3=6
SLO	0	0	0	1	SL2 PL4=1
<del>ST1</del>	<del>0</del>	<del>1</del>	<del>0</del>	<del>1</del>	<del>ST2</del>
SL2	0	0	1	1	SL3 PL6=4
SL3	0	1	1	1	ST3 PL7=7

STO	1	0	0	0	SLO PTO=1
ST1	1	1	0	0	STO PT1=4
<del>ST2</del>	<del>1</del>	<del>0</del>	<del>1</del>	<del>0</del>	<del>SL1</del>
ST3	1	1	1	0	ST1 PT3=7
STO	1	0	0	1	SL2 PT4=1
<del>ST1</del>	<del>1</del>	<del>1</del>	<del>0</del>	<del>1</del>	<del>ST2</del>
<del>ST2</del>	<del>1</del>	<del>0</del>	<del>1</del>	<del>1</del>	<del>SL3</del>
ST3	1	1	1	1	ST3 PT7=8

SINGLE MODE

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FIG. 10A

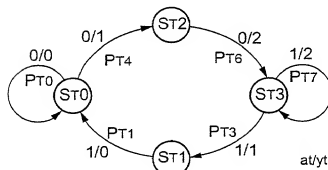
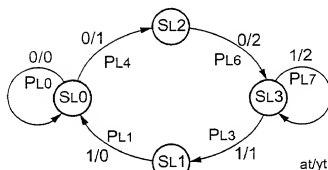
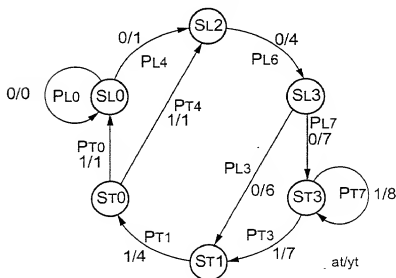


FIG. 10B



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FIG. 11A

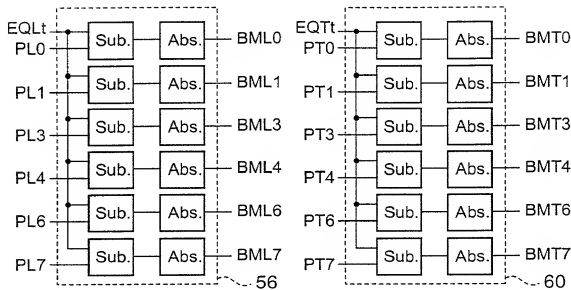
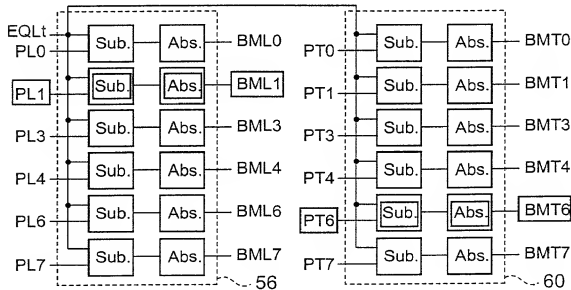
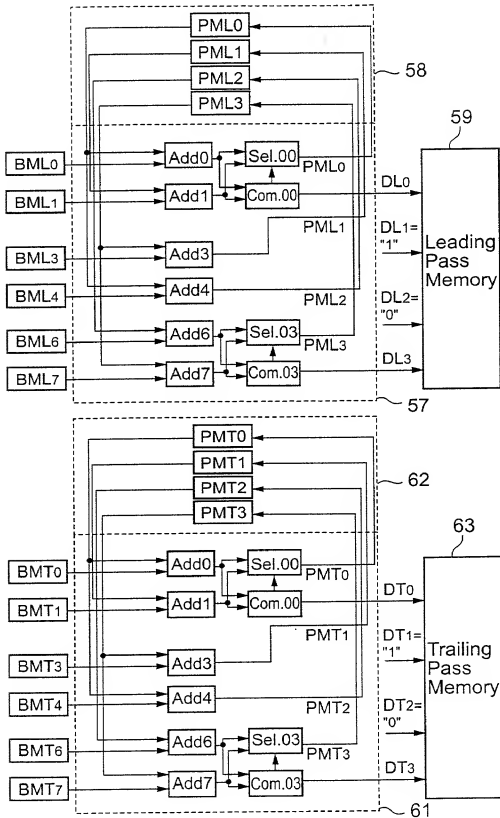


FIG. 11B



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FIG. 12



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## FIG. 13A

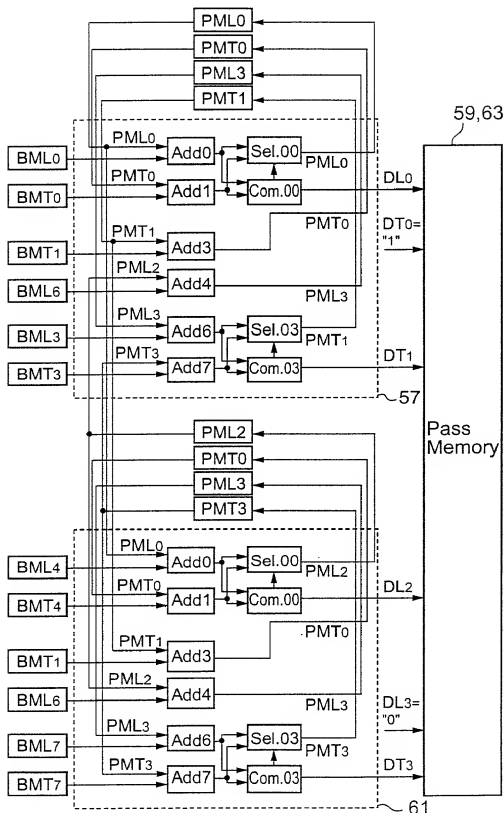
PML(t,0)=min	[PML(t-1,0) + BML0 ,	PML(t-1,1) + BML1]	:DL0
PML(t,1)=		PML(t-1,3) + BML3	:DL1
PML(t,2)=	PML(t-1,0) + BML4 ,		:DL2
PML(t,3)=min	[PML(t-1,2) + BML6 ,	PML(t-1,3) + BML7]	:DL3
PMT(t,0)=min	[PMT(t-1,0) + BMT0 ,	PMT(t-1,1) + BMT1]	:DT0
PMT(t,1)=		PMT(t-1,3) + BMT3	:DT1
PMT(t,2)=	PMT(t-1,0) + BMT4		:DT2
PMT(t,3)=min	[PMT(t-1,2) + BMT6 ,	PMT(t-1,3) + BMT7]	:DT3

## FIG. 13B

PML(t,0)=min	[PML(t-1,0) + BML0 ,	PMT(t-1,0) + BMT0]	:DL0
PML(t,2)=min	[PML(t-1,0) + BML4 ,	PMT(t-1,0) + BMT4]	:DT0
PML(t,3)=	PML(t-1,2) + BML6		:DT2
PMT(t,0)=		PMT(t-1,1) + BMT1	:DL1
PMT(t,1)=min	[PML(t-1,3) + BML3 ,	PMT(t-1,3) + BMT3]	:DL3
PMT(t,3)=min	[PML(t-1,3) + BML7 ,	PMT(t-1,3) + BMT7]	:DT3

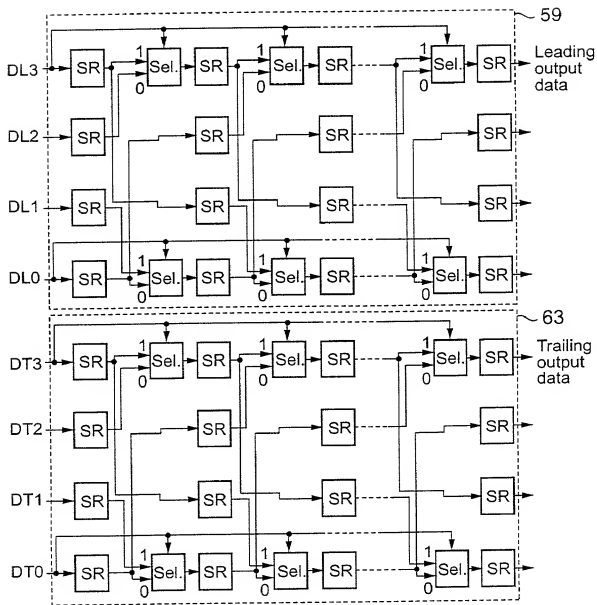
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FIG. 14



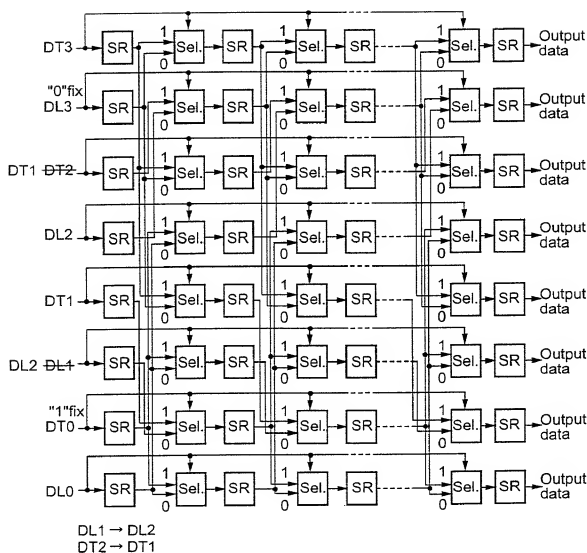
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FIG. 15



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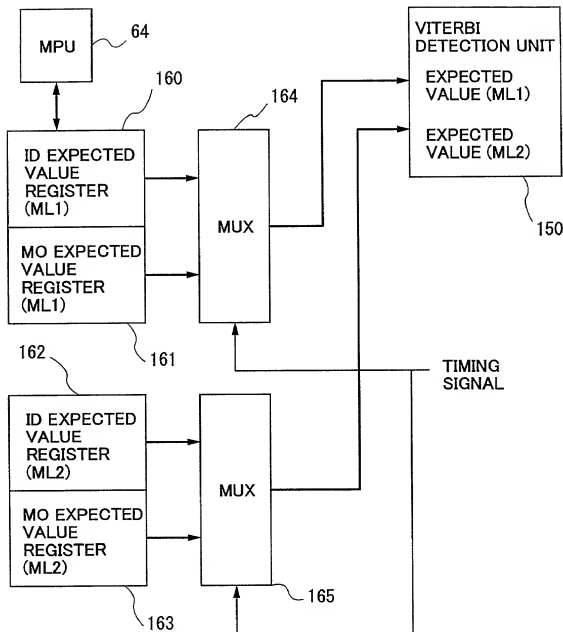
FIG. 16



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FIG.17



0941.65134

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FIG.18

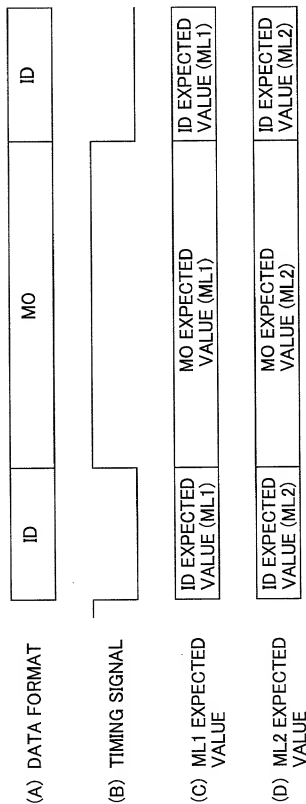


FIG. 19A

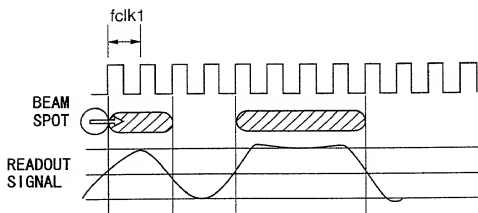
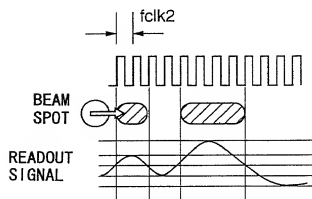


FIG. 19B



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